

# A PLAN FOR THE DEVELOPMENT OF AIRPORTS AND AIRWAYS in NEW HAMPSHIRE

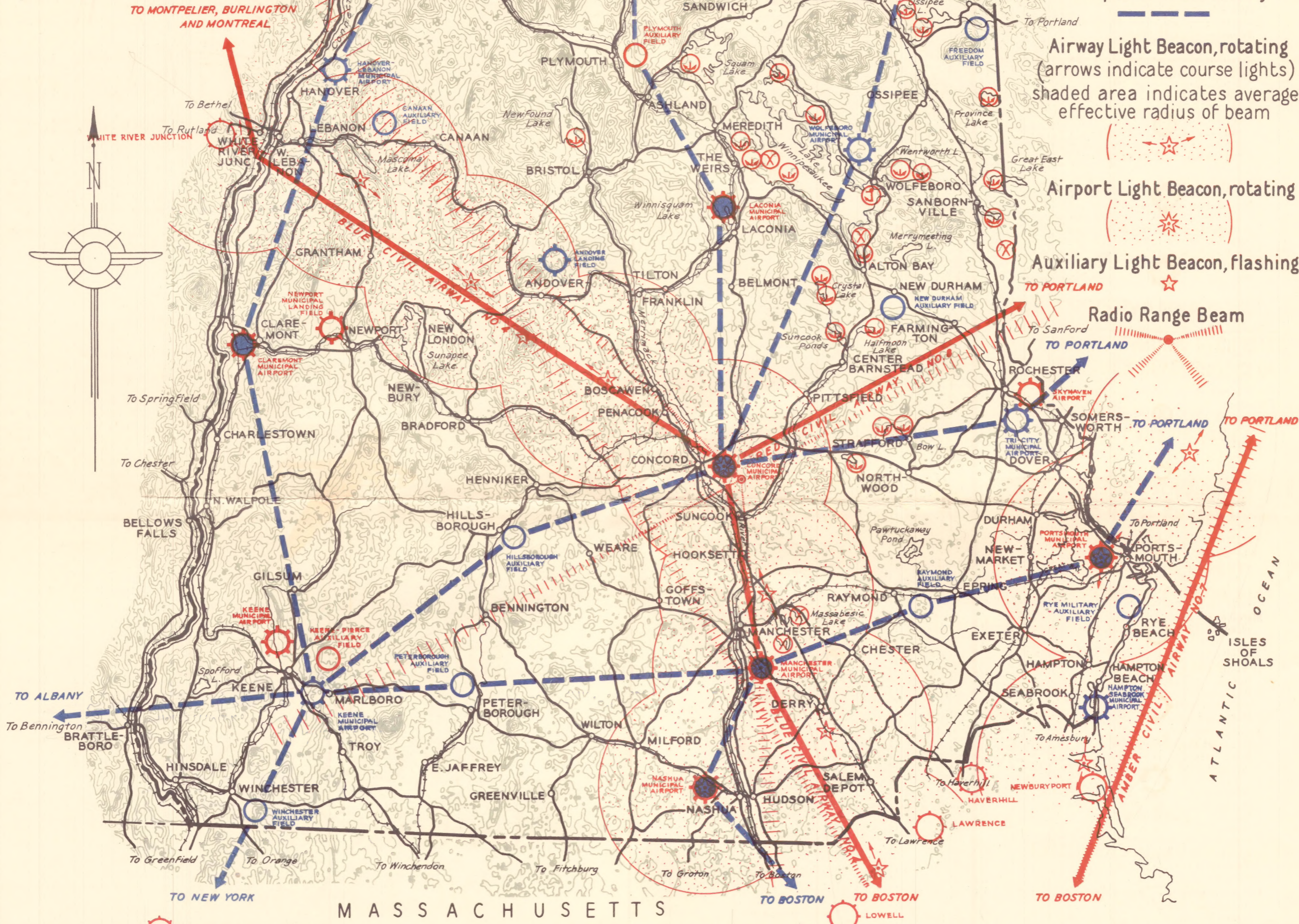
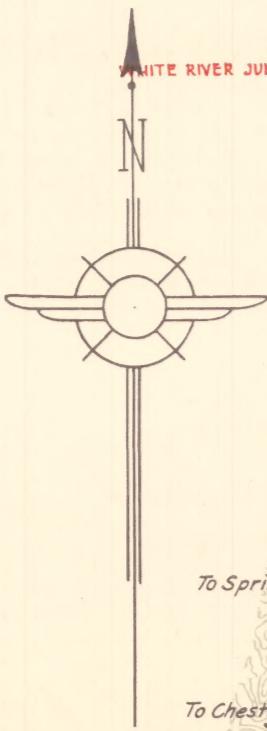
1940



Prepared by the  
Advisory Committee on Air Transportation  
of the  
State Planning and Development Commission  
in cooperation with the  
State Department of Aeronautics

4 0 4 8 12  
SCALE OF MILES

## EXISTING CIVIL AIRWAYS OF NEW ENGLAND



## Legend

### EXISTING LANDING FACILITIES

- Airport
- Landing Field
- Auxiliary Field
- Inland Water Landing Area (limited facilities)
- Inland Water Landing Area (no facilities)
- Ice Landing Area

### FURTHER DEVELOPMENT OF EXISTING LANDING FACILITIES

- Airport
- Landing Field
- Auxiliary Field

### PROPOSED LANDING FACILITIES

- Airport
- Landing Field
- Auxiliary Field

### AIR NAVIGATION FACILITIES

#### Existing Federal Airway

#### Proposed State Airway

Airway Light Beacon, rotating  
(arrows indicate course lights)  
shaded area indicates average  
effective radius of beam

Airport Light Beacon, rotating

Auxiliary Light Beacon, flashing

Radio Range Beam

LANDING FIELDS SHOWN OUTSIDE OF NEW HAMPSHIRE  
BASED UPON DATA FROM NEW ENGLAND REGIONAL  
PLANNING COMMISSION. SEPT. 10, 1940.

NOTE: THIS MAP IS NOT TO BE USED AS A FLIGHT MAP.  
REFER TO SECTIONAL AERONAUTICAL CHARTS  
OF THE U.S. COAST AND GEODETIC SURVEY.

EXISTING PUBLIC AIRPORT FACILITIES OF NEW HAMPSHIRE - 1940 DATA \*

**BERLIN**  
**Name:** Berlin Municipal Airport.  
**Class:** Municipal.  
Owner, Brown Company, Berlin, New Hampshire.  
Leased to, City of Berlin.  
Manager, John E. West.  
**Position:**  
Lat., 44°32'; long. 71°10'; elevation, 1,100'.  
Distance and direction from city, four miles north of City Hall, between east side Highway No. 16 and Androscoggin River, in town of Milan.  
**Description:**  
Size, Usable Area, 1,850' x 175'; Property, 38 acres; Shape, irregular.  
Surface, sod; Gradient, level; Drainage, natural.  
Landing strip, 1,850' x 175' NW/SE.  
Marking thereof, boundary and range markers.  
**Obstructions:**  
Hills to E and W; River to E, N, and S.  
**Marking and Identification:**  
Name on hangar, "Berlin, N. H." and north arrow, painted on roof.  
Wind-direction indicator, cone on hangar.  
**Accommodations:**  
Personnel for servicing, on call from city.  
Hangars, one, metal 50' x 60'; 12'00" overhead clearance.  
Administration building, small office.  
Repair facilities, from city.  
Specification fuel and oil, from city.  
Guard, from city.  
Quarters, in city; meals, in city.  
Transportation to city, taxi.  
First aid, from city.  
**Meteorological Data:**  
Prevailing winds, all seasons NW/SE, due to topography.

**CARROLL**  
**Name:** Twin Mountain Auxiliary Field.  
**Class:** Commercial.  
Owners, Mrs. P. Houghton, John L. Houghton, E. Houghton.  
Manager, John L. Houghton.  
Operator, Lee Bowman.  
**Position:**  
Lat. 44°16'; long. 71°33'; elevation, 1,440'.  
Distance and direction from town, ½ mile W of Twin Mountain; Boston & Maine Railroad tracks and Ammonoosuc River on N; Highway No. 3 adjacent to area.  
**Description:**  
Size, Usable Area 1,900' x 300'; Property, 50 acres; Shape, rectangular.  
Surface, turf; Gradient, level; Drainage, natural.  
Landing strip, 1,900' x 300' EW.  
**Obstructions:**  
Group of overnight camps at NE corner; buildings on NW corner; wooded pasture and hill on S.  
**Marking and Identification:**  
Wind-direction indicator, cone at NE corner of field, near overnight camps.  
**Accommodations:**  
Personnel for servicing, summer only.  
Administration building, office in overnight camp.  
Repair facilities, summer only.  
Specification fuel and oil, yes.  
Guard, summer.  
Quarters, overnight camps; meals, at camp in summer.  
Transportation, taxi—town within walking distance of field.  
**Communication and Signal Equipment:**  
Telephone.  
**Meteorological Data:**  
Prevailing winds, summer SW; winter W and SW; annual, SW.

**CLAREMONT**  
**Name:** Claremont Municipal Airport.  
**Class:** Municipal.  
Owner, Town of Claremont.  
Operator, Spooner Air Service.  
Manager, E. H. Spooner.  
**Position:**  
Lat. 43°22'; long. 72°22'; elevation, 520'.  
Distance and direction from town, 1½ miles due W of business section, 2½ miles SE of confluence of Sugar and Connecticut Rivers.  
**Description:**  
Size, Usable Area, 2,500' x 1,200'; Property, 70 acres; Shape, irregular.  
Surface, sandy; Gradient, slight slope to W; Drainage, excellent natural.  
Landing strip, 2,300' x 300'-600' E/W.  
Marking thereof, boundary and range markers.  
**Obstructions:**  
Hill to N; Hangar to N; Trees S and NE; Ski jump to NE.  
**Marking and Identification:**  
Name on hangar, "Claremont, N. H." and north arrow, painted on roof.  
Wind-direction indicator, cone on hangar and on ski jump on NE.  
**Accommodations:**  
Personnel for servicing, yes.  
Hangars, one, steel and wood, 50' x 60'; 20' overhead clearance.  
Administration building, office in hangar.  
Repair facilities, yes; spare parts, a few.  
Specification fuel and oil, yes.  
Guard, yes; fire apparatus, hand extinguishers.  
Quarters, in town; meals, in town.  
Transportation to town, yes.  
First aid, in town.  
**Communication and Signal Equipment:**  
Telephone.  
**Meteorological Data:**  
Prevailing winds, summer, S, winter, NW; annual, NW and S.  
Heaviest winds are usually from the N or NW. Winds of 40 m.p.h. or over are recorded, on the average, 5 or 6 days per month, January-April, incl., and infrequently, May-December, incl. Highest recorded velocity is about 50 m.p.h. Dense fog occurs about 2 or 3 days per month during August-October, incl., and one day or less per month during rest of year. Light fog occurs, on the average, 5 or 6 days per month during the late summer and autumn months and one or two days per month during rest of year. Most fogs occur in early a.m., except in winter, when frequent evening and all-day fogs are also observed.  
Precipitation as heavy as 1" or more in 24 hours is recorded one day or less per month, with greatest frequency in spring and least in winter. Average monthly snowfall, December-March, incl., is about 15", and for the months of April, May, and November, about 6".  
**Remarks:**  
Ascutney Mt., 6 miles NW of field, can be seen for many miles.

**CONCORD**  
**Name:** Concord Municipal Airport.  
**Class:** Municipal.  
Owner, City of Concord.  
Operator, Concord Airport Commission.  
Manager, W. E. Martin.  
**Position:**  
Lat. 43°12'; long. 71°30'; elevation, 335'.  
Distance and direction from city, approximately one mile E.  
**Description:**  
Size, Usable Area, 150 acres; Property, 250 acres; Shape, irregular.  
Surface, turf; Gradient, level; Drainage, natural and artificial.  
Landing strips, 3: N/S 2,500' x 500'; E/W, 2,400' x 500'; NW/SE 2,600' x 500'.  
Hard Surface Runways, 2: 2,000' x 100' NW/SE; 2,200' x 100' E/W.  
Marking thereof, boundary and range markers.  
**Obstructions:**  
40' trees and 30' power line on W side; trees to SW; 50-foot antenna poles adjacent to administration buildings; radio range poles, 2 miles SE; lighted.  
Lighting, all obstructions within 15 to 1 ratio of usable area.  
**Marking and Identification:**  
Name on hangar, "Concord, N. H." and north arrow, painted on roof.  
Wind-direction indicator, lighted cone on hangar.  
**Lighting:**  
Beacon, standard airport beacon.  
Boundary lights, yes.  
Approach lights, yes.  
Other lighting, obstruction lights and ceiling projector.  
**Accommodations:**  
Personnel for servicing, yes.  
Storage rates, \$1 to \$3 per night; \$15 to \$40 per month.  
Hangars, two: one wood 60' x 60'; one cement and steel 80' x 100'.  
Administration building, complete facilities.  
Repair facilities, approved repair station.  
Specification fuel and oil, yes.  
Guard, yes; fire protection, hydrant and small hand extinguishers.  
Quarters, in city; meals, in city.  
Transportation to city, yes.  
First aid, in city.  
**Communication and Signal Equipment:**  
Telephone.  
Radio, Boston & Maine-Central Vermont Airline Radio Station.  
C.A.B. radio range station, 24-hour standby service; C.A.B. teletype.  
**Meteorological Data:**  
Prevailing winds, summer SE; winter, NW; annual, NW.  
Heaviest winds from NW to W. Winds 40 m.p.h. or over, average 1 day per month during autumn and early winter, 3 days per month in early spring, greatest frequency in March and infrequently in summer.  
Highest velocity, 56 m.p.h.

Dense fog 3 days per month during August, September and October, 1 day per month or less during the remaining months. Light fog averages 6 days per month in late summer and autumn, 1 or 2 days per month during remainder of year. Nearly all fogs during morning hours.  
Precipitation 1" or more in 24 hours, averages 1 day or less per month with greatest frequency in spring and least frequency in winter.  
Average snowfall, December to March, incl., about 61".  
Weather map and display board, yes.  
C.A.B. teletype weather reporting service.  
**Remarks:**  
Fields to N and E available for emergency landings. 150-watt radio range beacon with loop antenna, 2 miles SE of NW/SE hard-surface runway.

**KEENE**  
**Name:** Keene Municipal Airport.  
**Class:** Municipal, lease by city for five years.  
Owner, Keene Aviation Development Company.  
Operator, E. C. Sweeney, Trustee.  
Manager, E. C. Sweeney.  
**Position:**  
Lat. 42°57'; long. 72°19'; elevation 520'.  
Distance and direction from city, 2½ miles NW of post office.  
**Description:**  
Size, Usable Area, 25 acres; Property, 60 acres; Shape, rectangular.  
Surface, sod; Gradient, level; Drainage, natural.  
Landing strip, 2,200' x 200' to 600', N/S.  
Marking thereof, boundary and range markers.  
**Obstructions:**  
Hill to SE; trees to E and S.  
**Marking and Identification:**  
Name on hangar, "Keene, N. H." and north arrow, painted on roof.  
Wind-direction indicator, cone on office building.  
**Accommodations:**  
Storage, \$1 per night.  
Hangars, one, wood 50' x 70', 12' overhead clearance.  
Administration building, small office.  
Specification fuel and oil, in city.  
Quarters, in city; meals, in city.  
Transportation to city, taxi.  
**Meteorological Data:**  
Prevailing winds, summer NW and SE, winter NW; annual NW.  
Heaviest winds are usually from NW or W. Winds of 40 m.p.h. or over are recorded only once or twice a year. Highest recorded velocity is about 60 m.p.h.  
Dense fog occurs about 3 days per month during August, September and October and 1 day per month the remainder of the year. Light fog occurs 7 or 8 days per month during August, September and October and about 3 days per month during remainder of year. Fogs are most frequent during early morning hours.  
Precipitation as heavy as 1" or more in 24 hours is recorded about 6 times per year. Average monthly snowfall December-March, incl., is about 14" and for April and November 3" or 4".  
**Remarks:**  
"Keene, N. H." on gas tank in city.

**LACONIA**  
**Name:** Laconia Municipal Airport.  
**Class:** Municipal.  
Owner, Belknap County, part of County Farm.  
Operator, County Commissioners.  
Manager, Thomas D. Clow.  
**Position:**  
Lat. 43°32'; long. 71°29'; elevation, 520'.  
Distance and direction from city, one mile NW of Laconia, between Lake Winnisquam and Opechee Bay.  
**Description:**  
Size, Usable Area, 1800' x 200', E/W, 2100' x 200' NW/SE; Property, 50 acres; Shape, L-shaped.  
Surface, loam on clay; Gradient, 2%; Drainage, natural.  
Landing strips, 2: 2100' x 200' NW/SE; 1800' x 200' E/W.  
Marking thereof, boundary and range markers.  
**Obstructions:**  
Wooded hill on N, 150' above level of field, 60' trees S of NW/SE strip; 25' transmission line E of E/W strip, 300' E.  
**Marking and Identification:**  
Name on hangar, "Laconia, N. H." and north arrow, painted on roof.  
Wind-direction indicator, wind tee at intersection of landing strips.  
**Accommodations:**  
Personnel for servicing, from city.  
Hangars, three: T-shaped, single-plane, metal.  
Repair facilities, from city.  
Specification fuel and oil, from city.  
Guard, from city.  
Quarters, in city; meals, in city.  
Transportation to city, taxi.  
**Meteorological Data:**  
Prevailing winds, summer SE; winter NW; annual, NW.  
**Remarks:**  
"Laconia, N. H.," directional and north arrows on freight shed in city.

**MANCHESTER**  
**Name:** Manchester Municipal Airport.  
**Class:** Municipal.  
Owner, City of Manchester.  
Operator, Board of Recreation and Aviation Trustees.  
Manager, Charles A. Thwyng.  
**Position:**  
Lat. 42°56'; long. 71°26'; elevation, 220'.  
Distance and direction from city, 4 miles SE of City Hall.  
**Description:**  
Size, Usable Area, 146 acres; Property, 350 acres; Shape, triangular.  
Surface, sand and turf; Gradient, level (slight pitch to N and W); Drainage, artificial.  
Landing strips, 3: NW/SE 3500' x 500'; E/W 3500' x 500'; NE/SW 3500' x 500'.  
Hard surface Runways, 3: 2200' x 100' NW/SE; 2200' x 100' E/W; 2200' x 100' NE/SW.  
Marking thereof, boundary and range markers.  
**Obstructions:**  
Hangars and administration building to W; trees to E, SE and W.  
Lighting, obstruction lights on buildings.  
**Marking and Identification:**  
Name on hangar, "Manchester" and north arrow painted on roof; "Manchester, N. H." painted on face of hangar.  
Wind-direction indicator, lighted cone on hangar.  
**Lighting:**  
Beacon, standard airport beacon.  
Boundary lights, yes.  
Approach lights, yes.  
Other lighting, obstruction lights on buildings.  
**Accommodations:**  
Personnel for servicing, yes.  
Storage rates, \$1.50 per night; \$15 per month.  
Hangars, two: steel 80' x 84', overhead clearance 14'; brick and steel 100' x 100' x 20'6" overhead clearance.  
Administration building, with complete facilities.  
Repair facilities, few; spare parts, some.  
Specification fuel and oil, yes.  
Quarters, in city; meals, in city.  
Transportation to city, bus within one mile, taxi.  
**Communication and Signal Equipment:**  
Telephone.  
Radio, Boston & Maine-Central Vermont Airline Radio.  
**Meteorological Data:**  
Prevailing winds, summer SE, winter NW, annual NW.  
Heaviest winds from NW to W. Winds 40 m.p.h. or over, average 1 day per month during autumn and early winter, 3 days per month in early spring, greatest frequency in March, and infrequently in summer.  
Highest velocity, 50 m.p.h.  
Dense fog 3 days per month during August, September, and October; 1 day per month or less during the remaining months. Light fog averages 6 days per month in late summer and autumn, 1 or 2 days per month during remainder of year. Nearly all fogs occur during morning hours.  
Precipitation 1" or more in 24 hours averages 1 day or less per month, with greatest frequency in spring and least frequency in winter. Average monthly snowfall December-March, incl., about 3".  
**Remarks:**  
"Manchester, N. H.," with directional and north arrows on freight shed in city.

**NASHUA**  
**Name:** Nashua Municipal Airport.  
**Class:** Municipal.  
Owner and Operator, City of Nashua Airport Commission; F. L. Clark, Clerk.  
Manager, H. P. Hartmann.  
**Position:**  
Lat. 42°47'; long. 71°31'; elevation, 185'.  
Distance and direction from city, 2.4 miles NW of City Hall; Keene Branch of Boston & Maine Railroad on NE side of area.  
**Description:**  
Size, Usable Area 105 acres; Property, 140 acres; Shape, rectangular.  
Surface, sandy loam; Gradient, level; Drainage, natural and artificial.  
Landing strips, 2: 2800' x 500' NW/SE; 1800' x 500' E/W.  
Hard Surface Runway, 2000' x 100' NW/SE.  
Marking thereof, boundary and range markers.  
**Obstructions:**  
Wooded hill on W; hangar, pole line, beacon tower and trees on SW.

Lighting, all obstructions except hill lighted.  
**Marking and Identifications:**  
Standard 100' chrome yellow circle on hard surface runway.  
Name on hangar, "Nashua, N. H." on roof with north arrow.  
Wind-direction indicators: lighted cone on hangar; wind tee on NE side of field.  
**Lighting:**  
Beacon, standard airport beacon.  
Boundary lights, yes.  
Approach lights, yes.  
Other lighting, obstruction lights.  
**Accommodations:**  
Personnel for servicing, yes.  
Storage rates, \$2 per night, \$10 to \$15 per month.  
Hangars, one, brick and steel, 70' x 70'.  
Administration office in hangar.  
Repair facilities, some.  
Specification fuel and oil, yes.  
Guard, from city.  
Quarters in city; meals, in city.  
Transportation to city, taxi.  
**Communications and Signal Equipment:**  
Telephone.  
**Meteorological Data:**  
Prevailing winds, summer SE; winter NW; annual, NW.

**NEWPORT**  
**Name:** Newport Municipal Landing Field.  
**Class:** Municipal.  
Owner and operator, Town of Newport.  
Manager, Airport Commission.  
**Position:**  
Lat. 43°23'; long. 72°11'; elevation, 775'.  
Distance and direction from town, two miles N of Newport, adjacent to Sugar River; 7 miles W of Sunapee Lake; Claremont branch of Boston & Maine Railroad ¼ mile W.  
**Description:**  
Size, Usable Area 3000' x 125'-200' NW/SE and 1700' x 450' N/S; Property, 50 acres; Shape, L-shaped.  
Surface, turf; Gradient, rolling; Drainage, natural.  
Landing strips, 2: 3000' x 125' to 200' NW/SE; 1700' x 450' N/S.  
**Obstructions:**  
Sugar River on S and SW bordering landing strip; highway with pole line and trees parallels strip on N and NE.  
**Marking and Identification:**  
Name on hangar, "Newport, N. H.," painted with north arrow on roof.  
Wind-direction indicator, cone on river bank near intersection of landing strips. Cone on hangar.  
**Accommodations:**  
Hangars, one, steel construction, 60' x 80', overhead clearance, 12'.  
Specification fuel and oil, yes.  
Transportation to town, taxi.  
**Meteorological Data:**  
Prevailing winds, summer S; winter NW; annual NW and S.

**NORTH CONWAY**  
**Name:** Conway-White Mountain Airport.  
**Class:** Commercial.  
Owner, White Mountain Airport Corporation.  
Manager, Wylie Apte, North Conway, New Hampshire.  
Operator, Wylie Apte.  
**Position:**  
Lat. 44°2'; long. 71°7'; elevation, 500'.  
Distance and direction from town, 2 miles S of North Conway; W of Maine Central Railroad tracks, ½ mile NW of Redstone Granite Quarry.  
**Description:**  
Size, Usable Area, 30 acres; Property 100 acres; Shape, irregular.  
Surface, sandy loam; Gradient, level; Drainage, natural.  
Landing strip, 2100' x 200' to 600' NW/SE.  
Marking thereof, boundary and range markers.  
**Obstructions:**  
Trees on W and SW side of strip; hills on NE and E, 1850' elevation.  
**Marking and Identification:**  
Name on hangar, "North Conway, N. H." and north arrow painted on roof.  
Wind-direction indicator, cone on hangar and wind tee on NE side of field.  
**Lighting:**  
Lights on hangar.  
**Accommodations:**  
Personnel for servicing, yes.  
Storage rates, \$1 per night.  
Hangars, one, wood 40' x 50', 12' overhead clearance.  
Administration building, small office.  
Repair facilities, yes; spare parts, some.  
Specification fuel and oil, yes.  
Guard, yes; fire apparatus, hand extinguishers and two 5-gal-1on Foamite units.  
Quarters, overnight camps; meals, restaurant near field.  
Transportation to town, yes.  
First aid, kit in hangar.  
**Communication and Signal Equipment:**  
Telephone.  
**Meteorological Data:**  
Prevailing winds, summer SW; winter W/SW; annual, SW.

**PORTSMOUTH**  
**Name:** Portsmouth Municipal Airport.  
**Class:** Municipal.  
Owner, City of Portsmouth.  
Manager, Carl L. Krieder.  
Operator, Warren Schulz.  
**Position:**  
Lat. 43°4'; long. 70°49'; elevation 80'.  
Distance and direction from city, 3 miles W of city; E of Great Bay.  
**Description:**  
Size, Usable Area, 60 acres; Property, 100 acres; Shape, irregular.  
Surface, sandy loam; Gradient, less than 2%; Drainage, natural.  
Landing strips, 2: 1900' x 400' E/W; 2000' x 300' NW/SE.  
Marking thereof, boundary and range markers.  
**Obstructions:**  
Pole line 15' along highway at E side of field; trees 15' high along part of S side; stump land and bushes along NW; area of small trees at NE; 50' beacon tower on E side of field.  
Lighting, obstruction lights on beacon tower.  
**Marking and Identifications:**  
Wind-direction indicator, lighted cone on airway beacon tower.  
Other marking, wind tee on E side of airport.  
**Lighting:**  
Beacon, standard airway beacon.  
**Accommodations:**  
Personnel for servicing, from city.  
Hangars, one, single, plane, T-shaped.  
Administration building, small office.  
Repair facilities, from city.  
Specification fuel and oil, yes.  
Guard, yes; fire protection, hydrant connection.  
Quarters, in city; meals, in city.  
Transportation to city, taxi and private car.  
**Meteorological Data:**  
Prevailing winds, summer SE; winter NW; annual NW.  
Heaviest winds are usually from SW and S. Winds of 40 m.p.h. or over are recorded about 1 day per month January to April, incl. The highest recorded velocity is 60 m.p.h. Dense fog occurs about 2 days per month during September and October and 1 day per month during July and August. Light fog occurs about 4 days per month July to October, incl., and 2 days per month November to March, incl. Fog usually occurs near sunrise and lasts well into the forenoon.  
Precipitation as heavy as 1" or more in 24 hours occurs about 1 day during winter months. The average monthly snowfall from November to March, incl., is about 17".

**ROCHESTER**  
**Name:** Skyhaven Airport.  
**Class:** Commercial.  
Owner, William H. Champlin.  
Operator, Skyhaven, Inc.  
Manager, William H. Champlin.  
**Position:**  
Lat. 43°17'; long. 70°56'; elevation, 300'.  
Distance and direction from city, 3 miles SE from city.  
**Description:**  
Size, Usable Area, 20.2 acres except for flagged area; Property, 20.2 acres; Shape, rectangular; Surface, sod; Gradient, slight slope NE; Drainage, natural and some artificial.  
Landing strip, NW/SE 1900' x 400'.  
**Obstructions:**  
40' trees on N side; house and barn on SW side; trees and power line on W side.  
Marking (day), area not usable flagged.  
**Marking and Identification:**  
Name on hangar, "Skyhaven, Rochester".  
Wind-direction indicator, wind cone on W side of field, wind cone on hangar.  
**Accommodations:**  
Personnel for servicing, yes.  
Storage rates, \$1 per night for small ships.  
Hangar, one: wood frame and wood floor, 45' x 36'.  
Repair facilities, minor repairs, 20 and 100 hour checks.  
Specification fuel and oil, yes. Special types available from bulk oil plant at Newington.  
Guard, from city; Fire protection, hand extinguishers.  
Quarters, tourist cabins nearby; meals, tourist cabins or in city.  
Transportation to city, free.  
**Communication and Signal Equipment:**  
Telephone.  
**Meteorological Data:**  
Prevailing winds, summer NW; Winter SE.

\* Private fields not included.  
U. S. Weather Bureau Station, Concord, New Hampshire.  
Nearest upper air observer, East Boston Airport, Massachusetts.

NOTE: Two commercial fields are being constructed at the present writing, which will be available for limited use in the summer of 1940. One is in the town of Raymond, described as lat. 43°1', long. 71°10', elevation 175'. The other is in the town of Plymouth, described as lat. 43°47', long. 171°45', elevation, 500'.